PCT

NOTIFICATION CONCERNING SUBMISSION OR TRANSMITTAL OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

Date of mailing (day/month/year)

From the INTERNATIONAL BUREAU

To:

CAPASSO, Olga De Simone & Partners S.p.A. Via V. Bellini, 20 I-00198 Roma Italy

16 July 2003 (16.07.03)	
Applicant's or agent's file reference PCT30112	IMPORTANT NOTIFICATION
International application No. PCT/IT03/00265	International filing date (day/month/year) 29 April 2003 (29.04.03)
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 03 July 2002 (03.07.02)
Applicant	

FONDAZIONE CENTRO SAN RAFFAELE DEL MONTE TABOR et al

- The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
- 3. An asterisk(*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

Priority date

Priority application No.

Country or regional Office or PCT receiving Office

Date of receipt of priority document

03 July 2002 (03.07.02)

60/393,994

US

15 July 2003 (15.07.03)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

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(PCT Article 18 and Rules 43 and 44)

	Applicant's or agent's file reference PCT30112	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.				
	international application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)			
	PCT/IT 03/00265	29/04/2003	03/07/2002			
	Applicant					
	CENTRO CARDIOLOGICO MONZIN	O S.P.A. IRCCS				
	This international Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Auth Insmitted to the International Bureau.	ority and is transmitted to the applicant			
J	This international Search Report consists It is also accompanied by	of a total of sheets. a copy of each prior art document cited in this	report.			
Ī	1. Basis of the report					
	 With regard to the language, the i language in which it was filed, unle 	nternational search was carried out on the bas ess otherwise Indicated under this item.	ils of the international application in the			
	the international search was Authority (Rule 23.1(b)).	as carried out on the basis of a translation of th	ne international application furnished to this			
į	 b. With regard to any nucleotide and was carried out on the basis of the 	d <mark>/or amino acid sequence</mark> disclosed in the int e seguence listing :	ternational application, the International search			
- 1		nal application in written form.				
ı	filed together with the inter	rnational application in computer readable form	n.			
- 1	furnished subsequently to	this Authority in written form.				
	furnished subsequently to	this Authority In computer readble form.				
İ	the statement that the sub international application as	sequently furnished written sequence listing does not go beyond the disclosure in the s flied has been furnished.				
}	the statement that the info furnished	rmation recorded in computer readable form is	identical to the written sequence listing has been			
'	2. Certain claims were four	nd unsearchable (See Box i).				
1	3. Unity of invention is lack	ling (see Box II).				
	4. With regard to the title,					
ļ	$oxed{X}$ the text is approved as sub	omltted by the applicant.				
	the text has been establish	ned by this Authority to read as follows:				
	5. With regard to the abstract, X the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.					
	6. The figure of the drawings to be publication					
-	as suggested by the applic		X None of the figures.			
	because the applicant falls					
Į	because this figure better	characterizes the invention.				

Form PCT/ISA/210 (first sheet) (July 1998)

International Application No (IT 03/00265

a. classification of subject matter IPC 7 C07K16/18 A61K39/395 A61K38/17

A61P9/10

A61P29/00

C07K14/47

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EPO-Internal, MEDLINE, WPI Data, PAJ, EMBASE

 	CONSIDERED	 RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
х	WO 00 47104 A (PICOWER INST MED RES) 17 August 2000 (2000-08-17) page 3, line 19 - line 37 page 6, line 16 - line 38 page 10, line 27 -page 11, line 9 page 11, line 10 - line 22 example 6	11-15
X	WO 01 89526 A (NORTH SHORE LONG ISLAND JEWISH) 29 November 2001 (2001-11-29) page 2, line 8,12,13,25 page 32; example 4	11-14

Patent family members are listed in annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- O document referring to an oral disclosure, use, exhibition or other means
- document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Date of mailing of the international search report

"&" document member of the same patent family

Date of the actual completion of the International search

19/12/2003

13 November 2003

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016

Authorized officer

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Form PCT/ISA/210 (second sheet) (July 1992)

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International Application No /IT 03/00265

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	C.(Continu	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.	
	х	FANG WEN-HUI ET AL: "The significance of changes in high mobility group-1 protein mRNA expression in rats after thermal injury." SHOCK (AUGUSTA, GA.) UNITED STATES APR 2002, vol. 17, no. 4, April 2002 (2002-04), pages 329-333, XP009020804 ISSN: 1073-2322 abstract	11,13,14	53
0	x	FAGES C ET AL: "REGULATION OF CELL MIGRATION BY AMPHOTERIN" JOURNAL OF CELL SCIENCE, ESSEX, GB, vol. 113, no. 4, February 2000 (2000-02), pages 611-620, XP001070170 abstract	16-18	54
	X	MULLER SUSANNE ET AL: "The double life of HMGB1 chromatin protein: Architectural factor and extracellular signal" EMBO (EUROPEAN MOLECULAR BIOLOGY ORGANIZATION) JOURNAL, vol. 20, no. 16, 15 August 2001 (2001-08-15), pages 4337-4340, XP002261324 ISSN: 0261-4189 page 4338, right-hand column, paragraph 3 paragraph 4	16-18	Dè
()	х	WANG HAICHAO ET AL: "HMGB1 as a late mediator of lethal systemic inflammation" AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE, vol. 164, no. 10 Part 1, 15 November 2001 (2001-11-15), pages 1768-1773, XP002261325 ISSN: 1073-449X the whole document	11-15	DG
	X	WANG H ET AL: "HMG-1 AS A LATE MEDIATOR OF ENDOTOXIN LETHALITY IN MICE" SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,, US, vol. 285, 9 July 1999 (1999-07-09), pages 248-251, XP002940163 ISSN: 0036-8075 cited in the application the whole document /	11-15	D
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International Application No IT 03/00265

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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.	-
P,X	WO 02 092004 A (GEN HOSPITAL CORP; YANG HUAN (US); FINK MITCHELL P (US); TRACEY KE) 21 November 2002 (2002-11-21) page 3, line 20 - line 30 page 6, line 8 - line 22 page 7, line 1 - line 6 page 8, line 3 - line 7 page 14, line 15 - line 17 page 13, line 1 - line 7 page 16, line 1 - line 3 page 23, line 5,6,15,17 page 28, line 6 - line 10 page 31, line 4 - line 8 page 30, line 19 - line 20	1-18	PS
P,X	examples 5-7,12,13 WO 02 074301 A (FINK MITCHELL P ;TRACEY KEVIN J (US); ULLOA LUIS (US); UNIV PITTSB) 26 September 2002 (2002-09-26) the whole document	11-15	$\mathcal{D}_{\mathcal{C}}$
P,X	YANG HUAN ET AL: "HMGB1 as a cytokine and therapeutic target." JOURNAL OF ENDOTOXIN RESEARCH, vol. 8, no. 6, 2002, pages 469-472, XP009020930 ISSN: 0968-0519 the whole document	11-14	D
P,X	SCAFFIDI PAOLA ET AL: "Release of chromatin protein HMGB1 by necrotic cells triggers inflammation" NATURE (LONDON), vol. 418, no. 6894, 11 July 2002 (2002-07-11), pages 191-195, XP002261326 ISSN: 0028-0836 the whole document	11-15	811
A	WO 97 23611 A (BULLERDIEK JOERN) 3 July 1997 (1997-07-03) abstract page 21, line 24 - line 31 page 20, line 29 - line 36 page 12, line 52 - line 53 page 11, line 57 - line 65 page 10, line 33 - line 34 page 5, line 53 - line 55 -/	1-10, 16-18	24

Form PCT/ISA/210 (continuation of second sheet) (July 1992)

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International Application No IT 03/00265

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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
A	YANG R ET AL: "ETHYL PYRUVATE MODULATES INFLAMMATORY GENE EXPRESSION IN MICE SUBJECTED TO HEMORRHAGIC SHOCK" AMERICAN JOURNAL OF PHYSIOLOGY: GASTROINTESTINAL AND LIVER PHYSIOLOGY, AMERICAN PHYSIOLOGICAL SOCIETY, US, vol. 283, 2002, pages G212-G221, XP008019310 ISSN: 0193-1857			₽
A	SIMS C A ET AL: "RINGER'S ETHYL PYRUVATE SOLUTION AMELIORATES ISCHEMIA/REPERFUSION-INDUCED INTESTINAL MUCOSAL INJURY IN RATS" CRITICAL CARE MEDICINE, WILLIAMS AND WILKINGS COMPANY, BALTIMORE, MA, US, vol. 29, no. 8, 2001, pages 1513-1518, XP008019328 ISSN: 0090-3493			D

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International application No. PCT/IT 03/00265

	Box I	Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)
	This inte	rnational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
	1. χ	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Although claims 16-18 are directed to a method of treatment of the
		human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
	2	Claims Nos.: because they relate to parts of the international Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
)	з. 🔲	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
	Box II	Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
	This Inte	rnational Searching Authority found multiple inventions in this international application, as follows:
,	1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
)	2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
	3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
	4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
	Remark	on Protest The additional search fees were accompanied by the applicant's protest.
		No protest accompanied the payment of additional search fees.

ation on patent family members

International Application No
IT 03/00265

	atent document d in search report		Publication date		Patent family member(s)	Publication date
WO	0047104	A	17-08-2000	US AU CA EP JP WO US US US	6303321 B1 3698300 A 2359926 A1 1165110 A2 2003520763 T 0047104 A2 2003017155 A1 2003113323 A1 2003143194 A1 6468533 B1 2002102609 A1	16-10-2001 29-08-2000 17-08-2000 02-01-2002 08-07-2003 17-08-2000 23-01-2003 19-06-2003 31-07-2003 22-10-2002 01-08-2002
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